

1. A method of providing a composable information agents comprising:
presenting a graphical representation associated with an first information agent in a
composition accessed by an initial application, said information agent having state and
having one or more possible external connections;
5 presenting one or more graphical representations associated with one or more second
information agents in a composition accessed by an application;
allowing connection to be made by graphically connecting one or more of said graphical
representations associated with one or more second information agents with said
graphical representation of said first information agent; and
10 connecting functionality of said one or more second information agents with said first
information agent.
2. The method according to claim 1 wherein said information agent can be relocated to a
new environment and will take all of its associated second agents with it.
3. The method according to claim 1 wherein said initial application is a web browser and
15 said composition is a web page.
4. The method according to claim 1 wherein said initial application is an email client and
said composition is an email message.
5. The method according to claim 1 wherein said initial application is a desktop provided
by an operating system and wherein said second information agents are presented in a
20 different application but may be connected to a first information on a desktop.
6. The method according to claim 5 wherein said desktop provided by an operating
system is an interface of a platform, said platform selected from the group consisting of: a
windows PC, a Macintosh PC, a unix-type operating system, a set-top box, a wireless logic
appliance, internet appliance, a personal digital assistant, or any other device connected to a
25 network.
7. A logic architecture comprising:
a plurality of Envois in a parent/child tree structure, each Envoy an object that handles
requests for services and having connections to other objects;
a standard service request protocol for distributing services; and

a plurality of generalizable connections for providing communication between Envoois and between an Envooi and an external entity.

8. A logic architecture providing for object portability on a platform comprising:
a MetaVooi able to detect movement of portable objects and able to trigger installation of
5 necessary components;
one or more PlaceVoois, each PlaceVooi allowing existence of portable objects within a particular logical environment;
one or more skins, attached to a PlaceVooi or a portable object, providing interface, display, connectivity, behavioral, or interactivity functions;
10 one or more portable objects;
a standard service request protocol for distributing services; and
a plurality of generalizable connections for providing communication between Envoois and between an Envooi and an external entity.
9. A method for providing portable graphical agents comprising:
15 providing a top-level authoritative server for distributing system architecture components;
providing a plurality of operating system agents, for a plurality of different operating systems, for communicating with said server and detecting events in their operating systems; and
within a particular platform, providing an expandable architecture of services and
20 application agents managed by said operating system agent;
wherein said operating system agent detects a request to move a portable graphical agent to a new location and triggers downloading and installation of necessary services and agents.
10. The method according to claim 9 such that a user interacting with an agent will
25 experience the agent as an independent object capable of moving among different logic environments.
11. A method for generalizing requests for services comprising:
at insertion of an object, requesting any necessary services from said object's parent;
querying parts available at said parent for said requested services and providing said
30 services back to said object when present;

if not present, at said parent, initiating a request by said parent to said parent's parent for said service;

when a parent is encountered with said service, establishing a connection to said object for transmitting said service.

5 12. The method according to claim 11 wherein said querying and said initiating a request are performed recursively until a parent is encountered that has access to said service or until failure.

13. The method according to claim 11 wherein said recursive requesting continues until a top level external server is reached with access to all available services.